

ABSTRACT

An expression vector is constructed by transferring recombinant tomato mosaic virus (ToMV) cDNA, in which a coat protein gene of ToMV having a suppressor against a virus resistant reaction has been substituted by a GFP gene, into the downstream of a promoter capable of inducing steroid hormone-dependent transcription. In a transformed tobacco BY-2 cell obtained by transferring the above expression vector into a tobacco BY-2 cells, steroid hormone-dependent transcription is induced, thereby enabling the amplification of mRNA of the GFP gene and induction of the expression of GFP.